Computer Science (J.B.A) (as per degree programme guidelines 01.10.2019)

The degree programme consists of 180 Credit Points (CP) in total:

### Structure Joint Bachelor of Arts Programme:
- **First Component:** 75 CP
- **Second Component:** 75 CP (not pictured here)
- **Optional Area:** 15 CP (not pictured here)
- **Research / Thesis:** 15 CP

This leads to the following possible semester course schedule:

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<td><strong>Functional and Object-oriented Programming Concepts (10 CP)</strong></td>
<td><strong>Algorithms and Data Structure (10 CP)</strong></td>
<td><strong>Automata, Formal Languages and Decidability (5 CP)</strong></td>
<td><strong>Practical Lab for Bachelors with Project Management (9 CP)</strong></td>
<td><strong>Consultation / Preliminary Research (3 CP)</strong></td>
<td><strong>Bachelor's Thesis (12 CP)</strong></td>
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<td><strong>Higher Mathematics I (7 CP)</strong></td>
<td><strong>Computer Organisation (5 CP)</strong></td>
<td><strong>Operating Systems (5 CP)</strong></td>
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<td><strong>Software Engineering (5 CP)</strong></td>
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| | | | | | **Elective Subject Area:** Special Areas of Computer Science. A range of courses out of two Specialisation Areas of the Elective Subject Area including the associated orientations* (19 CP)

* A total of at least 14 CP

www.gugw.tu-darmstadt.de
**Brief Description**

The Joint Bachelor of Arts in Computer Science is an interdisciplinary programme at TU Darmstadt. It consists of the studies of two different subjects/components.

**Computer Science** addresses the systematic processing of information using computers. Closely related to mathematics in its formal fundamentals, it is also an engineering discipline that has developed out of a need for fast and reliable calculations of all sorts.

**Informatics** (J.B.A.)

The Joint Bachelor of Arts in Informatics is correspondingly smaller than within the B.Sc. Computer Science and thus limited to more restricted fundamentals.